

ABSTRACT:

This invention will instantly disconnect large blocks of electrical load from an overloaded power system grid while maintaining approximately $\frac{1}{2}$ of a customers electrical circuits energized. This action takes place instantly and will avoid the slowing of the overloaded power system frequency to a point at which the power system will become unstable. At the present time with the unexpected loss of generation, blocks of electrical load are disconnected leaving customers without any service of power. All of the customers circuits are de-energized during the power system blackout. With this invention large blocks of electrical load will be disconnected from the overloaded power system while leaving the power system customers with approximately $\frac{1}{2}$ of their electrical circuits energized.